

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of inhibiting the activity of a G1 cdk, ~~the method including comprising~~ contacting said cdk with a substance that includes a peptide of 40 amino acids or less, the peptide ~~including comprising~~ the motif:

KxxRRyFzP

wherein

- (a) x comprises any amino acid;
- (b) y and z comprise hydrophobic amino acids;
- (c) K is present, deleted or replaced by another amino acid; and
- (d) P is present, deleted or replaced by another amino acid.

~~KxxRRyFzP (wherein x may be any amino acid, y and z may be hydrophobic, and each of the underlined residues may be absent or different).~~

2. (Currently Amended) ~~[[A]]~~The method according to claim 1 wherein at least one of y or z comprises an amino acid selected from the group consisting of y or / and z is, or are independently, any one of: alanine, valine, leucine, isoleucine, proline, phenylalanine, tryptophan~~[[,]]~~and methionine.

3. (Currently Amended) ~~[[A]]~~The method according to claim 1, wherein said peptide is a fragment of p21 or an active portion or derivative thereof.

4. (Currently Amended) ~~[[A]]~~The method according to claim 1, wherein said peptide consists of residues 16-35 of the p21^{WAF1} amino acid sequence or an active portion or derivative thereof.

5. **(Currently Amended)** ~~[[A]]The~~ method according to claim 3 or ~~claim 4~~, wherein said ~~peptide is a~~ said active portion or a said derivative ~~and said active portion or said derivative has~~ at least 80% identity with ~~p21~~ over a window of at least 5 amino acids of p21.

6. **(Currently Amended)** ~~[[A]]The~~ method according to claim 1 wherein said peptide is coupled to a carrier molecule.

7. **(Currently Amended)** ~~[[A]]The~~ method according to claim 6, wherein the carrier molecule has the sequence RQIKIWFQNRRMKWKK.

8. **(Currently Amended)** ~~[[A]]The~~ method according to claim 1 wherein the peptide binds to a G1 cyclin or a G1 cdk.

9-10. **(Cancelled)**

11. **(Currently Amended)** ~~[[A]]The~~ method according to claim 1 or ~~claim 10~~ wherein the cdk activity ~~includes~~ comprises Rb phosphorylation.

12. **(Currently Amended)** ~~[[A]]The~~ method according to claim 1 or ~~claim 10~~ wherein induction of cell cycle arrest is tested.